

\* SWBAT apply pressure, terminal velocity, and friction using  $F=ma$

Sep 6-2:31 PM

# Welcome!!!

SECA Physics  
Tuesday 29 October 2013

H. Leslie Grebe

\* Pick up:

- slip of paper (for later)
- worksheet

Centering...

Opening Question:

1) What's the difference between speed and velocity?

SPEED w/ DIR N

2) How does it look to you if you are driving next to a car and the other car suddenly brakes?

LOOKS LIKE

THEY WENT BACKWARDS

BECAUSE YOU KEEP GOING

Sep 7-7:04 AM

TPS:

When skydivers open their parachutes,  
do they go up?

YES

BOTH?

NO

VIDEO

CAMERA GUY

KEEPS FALLING FAST

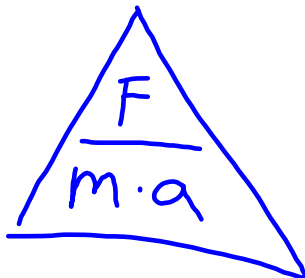
PARACHUTE SLOWED

DOWN  $\rightarrow$  LOOKS LIKE UPALWAYS  
FALLING  
SLOWED DOWN

Oct 29-7:19 AM

Worksheet on Friction, Air Resistance, Terminal Velocity,  
Net Forces, and  $F = ma$

- Do back side first (pg 26)



$a = 0$   
CONST. SPEED

FALLING OBJECT  
STOPS ACCELERATING

$$a = \frac{F_{\text{NET}}}{m}$$

BRONCO'S  
MASS IS  
100 kg

Nov 2-7:47 AM

### Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. Terminal velocity means:
  - A. air resistance
  - B. a force due to gravity
  - ☒ C. a falling object has stopped accelerating
2. Did Bronco ever experience an upward velocity (moving upward)? **NO**
3. What is one position in which Bronco experienced terminal velocity?

**C O R F**

Sep 14-7:28 AM